

**Clair Nolan**

907 Tuxworth Cir., Decatur, GA, 30033

Clairzhq@gmail.com

618-666-2504

Dear Hiring Manager,

I am writing to express my interest in the Entry Level Data Scientist position at NC State University. With a Master of Science in Mathematics & Statistics, hands-on experience in data analysis, machine learning, and statistical modeling, as well as proficiency in tools such as **Python, SQL, Tableau, and Power BI**, I am confident in my ability to contribute to your team's efforts in advancing the university's data and analytics capabilities.

In my recent projects, I have demonstrated my ability to work with large datasets, apply machine learning techniques, and derive actionable insights. For example, in the project "**Cyclitic User Insights**", I conducted an exploratory data analysis (EDA) on bike-share data using **Pandas** and **NumPy**. I built and evaluated a logistic regression model to classify user types and provided data-driven marketing strategies to enhance user retention. In another project, "**Predicting Job Success with HR Analytics**", I used **Python, SQL, Power BI, and Tableau** to develop a predictive model for employee attrition, delivering insights that supported workforce retention strategies.

Additionally, my experience as a **High School Math Instructor** and **University Math Instructor** has strengthened my communication skill and problem-solving ability. I used **Excel** and other data tools to monitor and analyze student performance, which helped improve student engagement by implementing data-driven teaching strategies. This combination of teaching experience and analytical skills has allowed me to effectively communicate findings and translate technical information into practical insights that support decision-making.

I am particularly excited about the opportunity to collaborate with your team and contribute to the development and optimization of analytical products and services that drive institutional effectiveness. I look forward to bringing my passion for data science and problem-solving to NC State and supporting the university's mission through data-driven decision-making.

Thank you for considering my application. I am eager to discuss how my skills and experience align with the needs of your team. I look forward to the opportunity to contribute to the ongoing success of NC State University.

Sincerely,

**Clair Nolan**